

Work Order ID 80801

80801

Page 1

Wednesday, February 29, 2012 10:13:14 AM

Item ID: DSI 9585-011

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Torsion Spring Replacement

Start Date: 2/29/2012 Start Qty: 4.00

4

Cust Item ID:

Required Date: 2/29/2012 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan: *MF*

Date: *12-02-29* Tooling:

Date:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

DSI 9585

A

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP DSI 9585-011 CHG001

Srd/29

MLJ 12/02/29
(9)

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

12/2/29 *P*

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

Srd/29

(24)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 80801

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Page 2

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Required Date: 2/29/2012 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursTool ID Tool # Plan Accept Reject Reject Insp.
Code Qty Qty Number Stamp

130

0.00

130

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP DSI9585-011
Location: _____

12/22/12 (4)

140

0.00

140

QC

QC21- Final Inspection - Work Order Release

Memo

0.00

Quality Control

MLJ 12/02/29

MF
12-02-29

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, February 29, 2012 10:13:14 A

Page 1

Work Order ID: 80801

Parent Item: DSI 9585-011

Parent Item Name: Torsion Spring Replacement

Start Date: 2/29/2012

Required Date: 2/29/2012

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV:A 12.01.11 new issue DD verf: JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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DSI
D4518-1
Torsion Spring

Manufactured No

110 Each 46.0000

1
30

Location

ST139

Loc Qty

46

Loc Code

78651

46

DSI
MS39086-133
Coiled Spring Pin

Purchased No

110 Each 242.0000

1 4

12/2/09 SP 12

Location

ST295

Loc Qty

242

Loc Code

120298

242

4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Reference:

Approvals: Process Plan:

MF

Date: *12-02-29* Tooling:

Date:

Run Start ***NR1***

QC:

Date: SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID Tool # Plan Accept Reject Reject Insp.
Code Qty Qty Number Stamp

Draw Nbr

Revision Nbr

DSI 9585

A

0.00

100

100

DOCUMENT CONTROL

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Document Control

Photocopy bluefile & type labels per PPP DSI 9585-011 CHG001

MCJ 12/02/29
(4)

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Pick Kit

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Packaging

Memo

0.00

Packaging

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QC4- 100% Inspect kits for completeness

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QC

Memo

0.00

Quality Control

W/O:		WORK ORDER CHANGES					
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NOTE: Date _____ all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-588 REV. D, D350-589 REV. E,
IIN-D350-600 REV. E, AND IIN-D130-780 REV. B AND INSTRUCTIONS FOR CONTINUED
AIRWORTHINESS ICA-D350-588 REV. 0, ICA-D350-589 REV. 1, ICA-D350-600 REV. 5,
AND ICA-D130-780 REV. 1

REF CANADIAN STC: SH92-41, SH93-88
REF FAA STC: SH1012NE, SR00098NY, SR00099NY
AUSTRIAN STC: ACG.21NE2.093
REF EASA STC: EASA.IM.R.S.01292

REFERENCE ONLY

PURPOSE:

The purpose of this DSI (Dart Service Instruction) is to introduce DSI 9585-011 and DSI 9585-013 Latch Repair Kits for D2586 Latches whose springs have failed or have been lost in service. Replacement procedures are as follows:

PROCEDURE:

TORSION SPRING REPLACEMENT (DSI 9585-011 KIT):

- 1) Remove D2586 Latch by unfastening the MS27039-1-XX Screw and associated hardware. Retain all hardware/parts.
- 2) Remove and discard roll pin with adequate tool. Discard existing failed spring.
- 3) Install D4518-1 Torsion Spring by inserting provided MS39086-133 Coiled Spring Pin in place using adequate tool. Refer to Figure 1 of this service instruction.
- 4) Reinstall repaired D2586 Latch in accordance with respective STC using the hardware/parts removed at Step 1 above.

LOCK BARREL SPRING REPLACEMENT (DSI 9585-013 KIT):

- 1) Remove D2586 Latch by unfastening the MS27039-1-XX Screw and associated hardware. Retain all hardware/parts.
- 2) Remove and discard roll pin with adequate tool. Discard existing failed spring.
- 3) Install D4518-3 Lock Barrel Spring by inserting provided MS39086-133 Coiled Spring Pin in place using adequate tool. Refer to Figure 2 of this service instruction.
- 4) Reinstall repaired D2586 Latch in accordance with respective STC using the hardware/parts removed at Step 1 above.

PARTS LIST






QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		DSI 9585-011	TORSION SPRING REPLACEMENT KIT
	X	DSI 9585-013	LOCK BARREL SPRING REPLACEMENT KIT
1		D4518-1	TORSION SPRING
	1	D4518-3	LOCK BARREL SPRING
1	1	MS39086-133	COILED SPRING PIN

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE:
CERT. NO.: SH92-41/SH93-88
ISSUE NO.: 8/6

A	NEW ISSUE	(REF. PAR11-135)	MB	11.12.05
REV.	DESCRIPTION		BY	DATE
DESIGN			DART AEROSPACE LTD	
DRAWN			HAWKESBURY, ONTARIO, CANADA	
CHECKED			DRAWING NO.	REV. A
MFG. APPR.	N/A		DSI 9585	SHEET 1 OF 2
APPROVED			TITLE	SCALE
DE APPR.			LATCH REPAIR KIT	NTS
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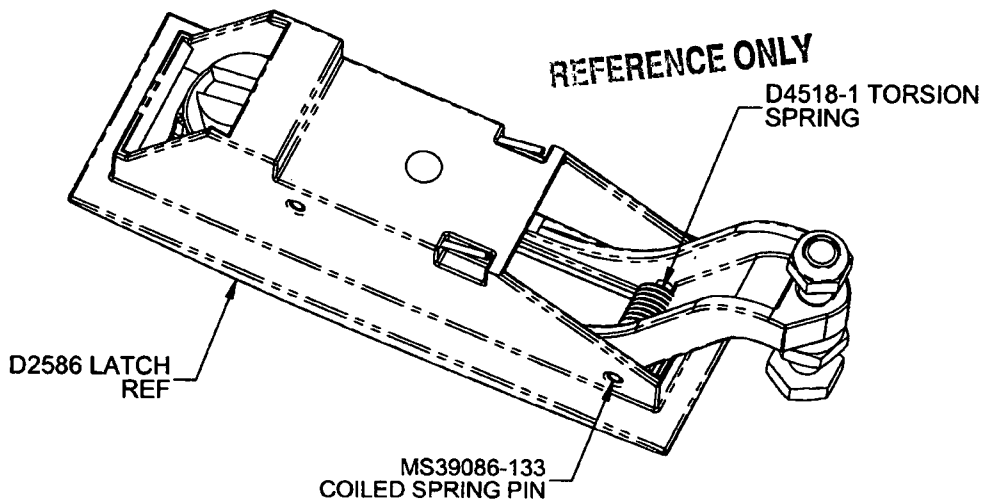


FIGURE 1: TORSION SPRING REPLACEMENT (DSI 9585-011)

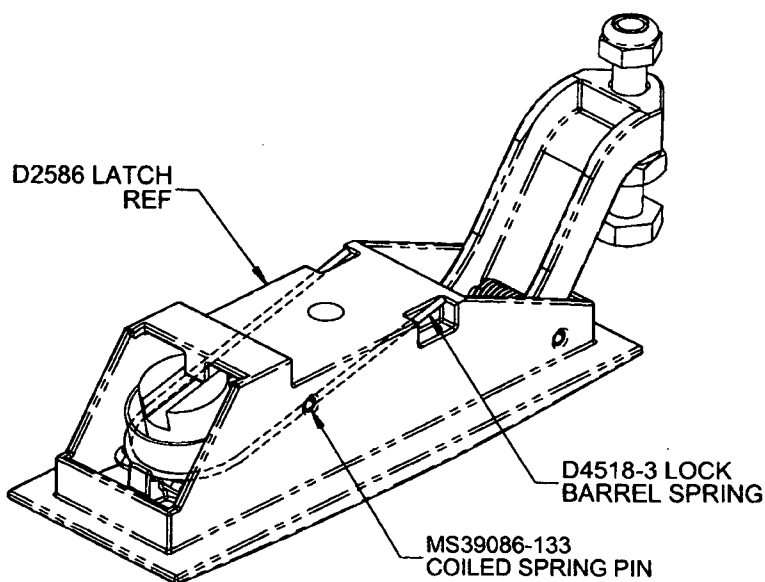


FIGURE 2: LOCK BARREL SPRING REPLACEMENT (DSI 9585-013)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: _____
CERT. NO.: SH92-41/SH93-88
ISSUE NO.: 8/6

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9585	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	LATCH REPAIR KIT	NTS
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